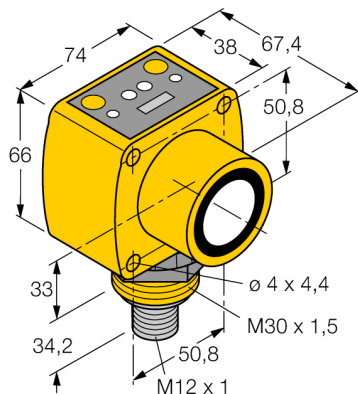


ultrasonic sensor
diffuse mode sensor
QT50ULBQ6

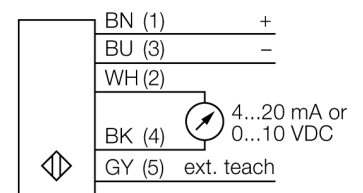
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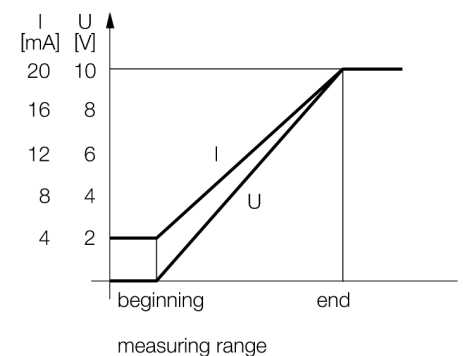
- signal strength indication via LED
- temperature compensation selectable via DIP switch
- Current or voltage output selectable via DIP switch
- Response time (100 ... 2300 ms) adjustable via DIP switch

Wiring diagram



Functional principle

Ultrasonic sensors use ultrasonic waves for non-contact and wear-free detection of many objects. Regardless of whether the object is transparent or opaque, metallic or non-metallic, or of liquid, solid or powdery consistency. Even environmental conditions such as spray, dust or rain hardly affect their function.



Type code QT50ULBQ6
Ident no. 3002728

Design rectangular, QT50U
Housing material Plastic, ABS
Connection male, M12 x 1
Protection class IP67
Ambient temperature -20...+70 °C

Operating voltage LED
Switching state •

Operating voltage 10...30VDC
Load resistance ≤ 500 Ω
Current output 4...20mA
Voltage output 0...10V
Short-circuit protection yes

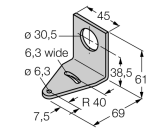
Range 20...800 cm
Ultrasound frequency 75 kHz
Repeatability ≥ ± 1 mm
Edge lengths of the nominal actuator 500 mm

ultrasonic sensor
diffuse mode sensor
QT50ULBQ6

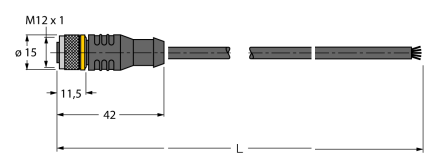
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Accessories

Type code	Ident no.	Description	Dimension drawing
SMB30A	3032723	Mounting bracket, stainless steel, for sensors with 30 mm thread	
SMB30MM	3027162	Mounting bracket, rectangular, stainless steel, for sensors with 30 mm thread, wide holes for accurate alignment	
SMB30SC	3052521	Mounting bracket, PBT black; for 30 mm thread; with 4 screws M5 x 0.8	

Wiring accessories

Type code	Ident no.	Description	Dimension drawing
RKC4.5T-2/TEL	6625016	Connection cable, female M12, straight, 5-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	
WKC4.5T-2/TEL	6625028	Connection cable, female M12, angled, 5-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	

